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On the forecasting efficiency of self-informative and inertial characteristics of average monthly air temperature anomalies

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Abstract

On the basis of long-time (1881-1960) observations at the Kazan' University weather bureau, the feasibility to use the self-informative and inertial properties of average monthly air temperature anomalies for their long-period forecasting is studied. The possibility of using the forecasting properties of average monthly air temperature anomalies is considerably dependent on their representation and varies with seasons. The months for which such forecasts are most advisable are determined.